| | | Smart Skies | |
|-------------------------|-------|-------------------------|--|
| | | 2006 Mathemat | ics |
| | | Program of Stud | dies |
| Kentucky Mathema | tics | | |
| Grade 5 | | | |
| Activity/Lesson | State | Standards | |
| Fly by Math | KY | MA.5.MA-5-G-U- 2 | Representational systems, including coordinate geometry, are means for specifying locations and describing spatial relationships and are organizers for making sense of the world around them. Analyze and make inferences from data displays |
| Fly by Math | KY | MA.5.MA-5-DAP S-DR4 | (e.g., drawings, tables/charts, tally tables, pictographs, bar graphs, circle graphs, line plots, Venn diagrams, line graphs) |
| Fly by Math | KY | MA.5.MA-5-DAP- S-DR5 | Use a variety of tools (e.g., graph paper, manipulatives, models, computer) to construct data displays (e.g., pictographs, bar graphs, line plots, line graphs, Venn diagrams, tables) |
| Line Up with Math | KY | 2 | Representational systems, including coordinate geometry, are means for specifying locations and describing spatial relationships and are organizers for making sense of the world around them. Visualization, spatial reasoning and geometric |
| Line Up with Math | KY | 5 | relationships model real-world situations. |
| | ' | Smart Skies | |
| | | 2006 Mathemat | ics |
| | | Program of Stud | dies |
| Kentucky Mathema | tics | | |
| Grade 6 | | | |
| Activity/Lesson | State | Standards | |
| Fly by Math | KY | 2 | Representational systems, including coordinate geometry, are means for specifying locations and describing spatial relationships and are organizers for making sense of the world around them. |
| Fly by Math | KY | MA.6.MA-6-G-U- 5 | Visualization, spatial reasoning and geometric relationships model real-world situations. |
| Fly by Math | KY | MA.6.MA-6-DAP S-DR2 | Collect, organize, construct, analyze and interpret data in a variety of graphical methods, including line plots, line graphs, circle graphs, bar graphs and stem-and-leaf plots |
| Line Up with Math | KY | 2 | Representational systems, including coordinate geometry, are means for specifying locations and describing spatial relationships and are organizers for making sense of the world around them. |
| Line Up with Math | KY | MA.6.MA-6-G-U- 5 | Visualization, spatial reasoning and geometric relationships model real-world situations. |

| | | | Evoluin how the change in one quantity affects |
|--------------------|-------|-------------------------|---|
| | | MA.6.MA-6-AT- | Explain how the change in one quantity affects change in another quantity (e.g., in tables or |
| Line Up with Math | KY | S-PRF4 | graphs, input/output tables) |
| Line up with wath | IN I | 3-FRF4 | graphs, input/output tables) |
| | | Smart Skies | |
| | | 2006 Mathemat | |
| | | Program of Stu | |
| Kentucky Mathema | tics | | |
| Grade 7 | | | |
| Activity/Lesson | State | Standards | |
| | | | Representational systems, including coordinate |
| | | | geometry, are means for specifying locations |
| | | | and describing spatial relationships and are |
| | | | organizers for making sense of the world around |
| Fly by Math | KY | 2 | them. |
| | 101 | | Visualization, spatial reasoning and geometric |
| Fly by Math | KY | 5 | relationships model real-world situations. |
| | | | Collect, organize, construct, analyze and |
| | | | interpret data and data displays in a variety of |
| | | MA 7 MA 7 DAD | graphical methods, including circle graphs, multiple line graphs, double bar graphs and |
| Fly by Math | KY | S-DR1 | double stem-and-leaf plots |
| riy by iviatii | IX I | 3-DK1 | Representational systems, including coordinate |
| | | | geometry, are means for specifying locations |
| | | | and describing spatial relationships and are |
| | | MA 7 MA-7-G-U- | organizers for making sense of the world around |
| Line Up with Math | KY | 2 | them. |
| Line op with matri | | | Visualization, spatial reasoning and geometric |
| Line Up with Math | KY | 5 | relationships model real-world situations. |
| | | | |
| | | Smart Skies | |
| | | 2006 Mathemat | |
| | | Program of Stu | dies |
| Kentucky Mathema | tics | | |
| Grade 8 | 04-4- | Otan danda | |
| Activity/Lesson | State | Standards | Devive and use formulae for verious rates (o.g. |
| Ely by Moth | KY | MA.8.MA-8- NPO-S-RP2 | Derive and use formulas for various rates (e.g., |
| Fly by Math | IN I | INFU-3-RFZ | distance/time, miles per hour) Representational systems, including coordinate |
| | | | geometry, are means for specifying locations |
| | | | and describing spatial relationships and are |
| | | MA.8.MA-8-G-U- | |
| Fly by Math | KY | 2 | them. |
| i iy by iviatii | 101 | I | Visualization, spatial reasoning and geometric |
| Fly by Math | KY | 5 | relationships model real-world situations. |
| , ., | | - | Collect, organize, construct, analyze and make |
| | | | inferences from data in a variety of graphical |
| | | | methods (e.g., drawings, tables/charts, |
| | | | pictographs, bar graphs, circle graphs, line plots, |
| | | | Venn diagrams, line graphs, stem-and-leaf plots, |
| | | MA.8.MA-8-DAP | scatter plots, histograms, box-and-whiskers |
| Fly by Math | KY | S-DR1 | plots) |

| | | MA.8.MA-8- | Derive and use formulas for various rates (e.g., | | | | |
|------------------------------|-------|-----------------|---|--|--|--|--|
| Line Up with Math | KY | NPO-S-RP2 | distance/time, miles per hour) | | | | |
| • | | | Representational systems, including coordinate | | | | |
| | | | geometry, are means for specifying locations | | | | |
| | | | and describing spatial relationships and are | | | | |
| | | MA 8 MA-8-G-U- | organizers for making sense of the world around | | | | |
| Line Up with Math | KY | 2 | them. | | | | |
| Line op with matri | | | Visualization, spatial reasoning and geometric | | | | |
| Line Up with Math | KY | 5 | relationships model real-world situations. | | | | |
| Line op with Math | IXI | <u> </u> | Explain how change in the input affects change | | | | |
| | | MA.8.MA-8-AT- | in the output (e.g., in d=rt, increasing the time (t) | | | | |
| Line Up with Math | KY | S-PRF6 | increases the distance (d)) | | | | |
| Line Op with Math | IXI | 3-1 1(1 0 | increases the distance (d)) | | | | |
| | | Smart Skies | | | | | |
| Smart Skies 2006 Mathematics | | | | | | | |
| | | Program of Stud | | | | | |
| Kantuaku Mathama | tioo | Program of Stud | uies | | | | |
| Kentucky Mathema Grades 9-12 | ucs | | | | | | |
| | Ctoto | Ctondondo | | | | | |
| Activity/Lesson | State | Standards | Degree entational contents in alceling a conditate | | | | |
| | | | Representational systems, including coordinate | | | | |
| | | | geometry, are means for specifying locations | | | | |
| | | | and describing spatial relationships and are | | | | |
| | | | organizers for making sense of the world around | | | | |
| Fly by Math | KY | G-U-2 | them. | | | | |
| | | | Visualization, spatial reasoning and geometric | | | | |
| Fly by Math | KY | G-U-5 | relationships model real-world situations. | | | | |
| | | | Graphical and numerical techniques can be | | | | |
| Fly by Math | KY | DAP-U-3 | used to study patterns and analyze data. | | | | |
| | | | Representational systems, including coordinate | | | | |
| | | | geometry, are means for specifying locations | | | | |
| | | | and describing spatial relationships and are | | | | |
| | | MA.9-12.MA-HS- | organizers for making sense of the world around | | | | |
| Line Up with Math | KY | G-U-2 | them. | | | | |
| | | MA.9-12.MA-HS- | Visualization, spatial reasoning and geometric | | | | |
| Line Up with Math | KY | G-U-5 | relationships model real-world situations. | | | | |
| | | MA.9-12.MA-HS- | Graph a linear equation and demonstrate that it | | | | |
| Line Up with Math | KY | AT-S-EI10 | has a constant rate of change | | | | |
| <u> </u> | | | Find the distance between two points using their | | | | |
| | | MA.9-12.MA-HS- | coordinates and the Pythagorean theorem or the | | | | |
| Line Up with Math | KY | G-S-CG3 | distance formula | | | | |
| Ento Op with Math | 1111 | 10-0-000 | diotarios iorritaia | | | | |